



## CAV 1, Caveolin-1 polyclonal antibody

### For Research Use Only. Not for Diagnostic or Therapeutic Use.

Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Allele Biotech is strictly prohibited

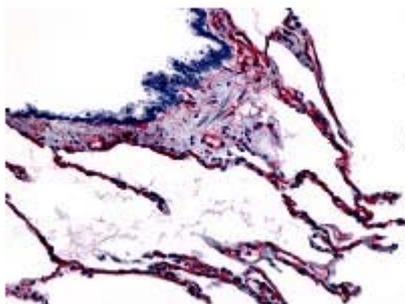
Website: [www.allelebiotech.com](http://www.allelebiotech.com)  
Call: 1-800-991-RNAi/858-587-6645  
(Pacific Time: 9:00AM-5:00PM)  
Email: [oligo@allelebiotech.com](mailto:oligo@allelebiotech.com)

### Box 1 | Basic Info

Cat. No.	ABP-PAB-31007
Animal ID	N/A
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_001753
Amount	50µg

### Alternative Name(s):

CAV; cav1; caveolin-1; VIP21



Respiratory Epithelium, Bronchial Smooth Muscle, and Alveoli

Caveolin 1 is the main component of the caveolae plasma membranes found in most cell types. Caveolin 1 functions as a membrane adaptor to link integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. CAV1 may also be a tumor suppressor gene and a negative regulator of the Ras-p42/44 MAP kinase cascade.

### Buffers

N/A

### Immunogen

KLH conjugated synthetic peptide comprised of N-terminal domain of the human Caveolin-1.

### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

### References:

- Engelman JA, Zhang XL, and Lisanti MP: Sequence and detailed organization of the human caveolin-1 and -2 genes located near the D7S522 locus (7q31.1). Methylation of a CpG island in the 5' promoter region of the caveolin-1 gene in human breast cancer cell lines. *FEBS Lett Apr.* 448: 221-30 (1999).
- Fra AM, Mastroianni N, Mancini M, Pasqualetto E, and Sitia R: Human caveolin-1 and caveolin-2 are closely linked genes colocalized with WI-5336 in a region of 7q31 frequently deleted in tumors. *Genomics Mar.* 56: 355-6 (1999).
- Hurlstone AF, Reid G, Reeves JR, Fraser J, Strathdee G, Rahilly M, Parkinson EK, and Black DM: Analysis of the CAVEOLIN-1 gene at human chromosome 7q31.1 in primary tumours and tumour-derived cell lines. *Oncogene Mar.* 18: 1881-90 (1999).